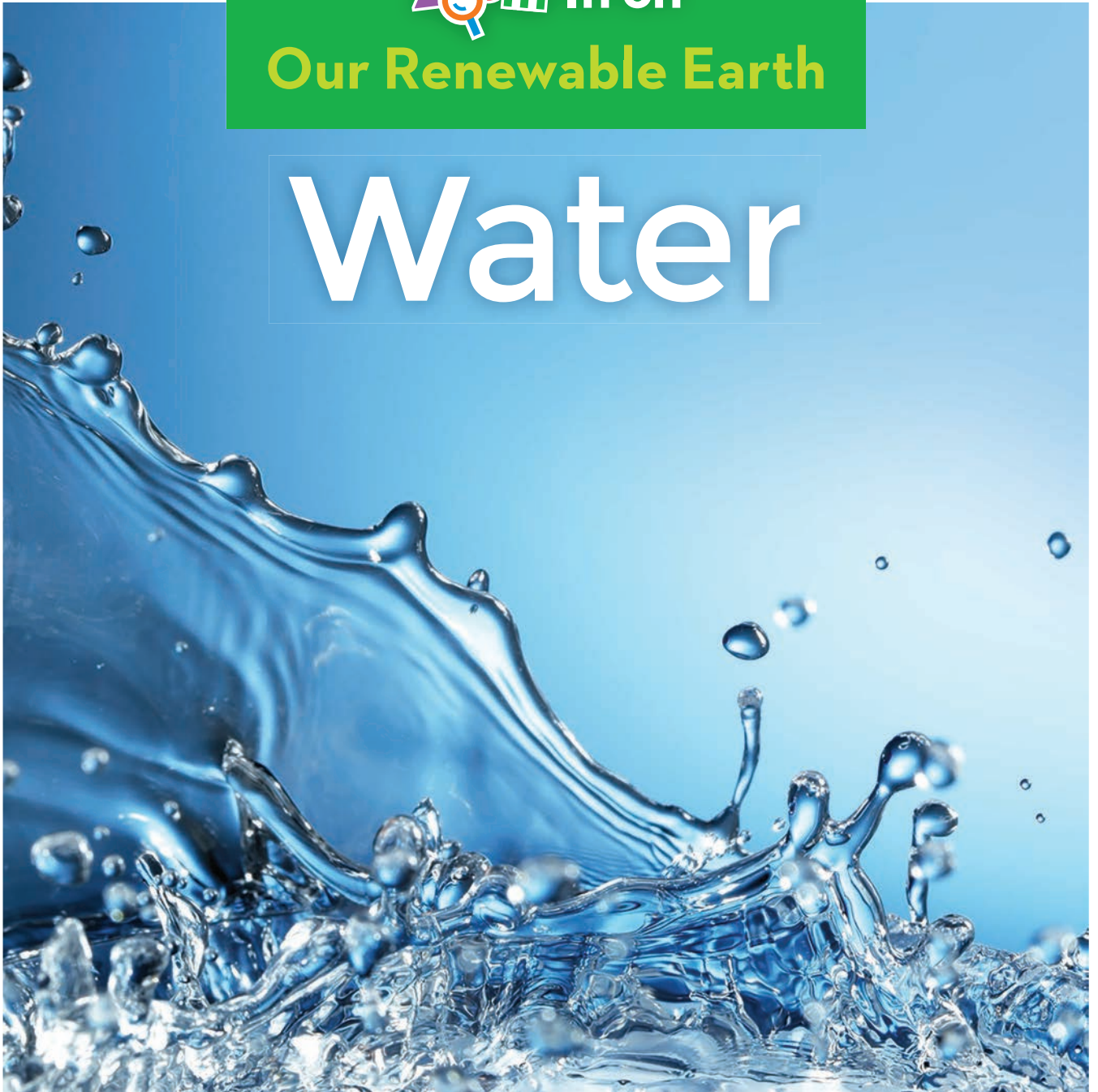


Zoom™ In on

Our Renewable Earth

Water



Andrea Rivera

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Our Renewable Earth

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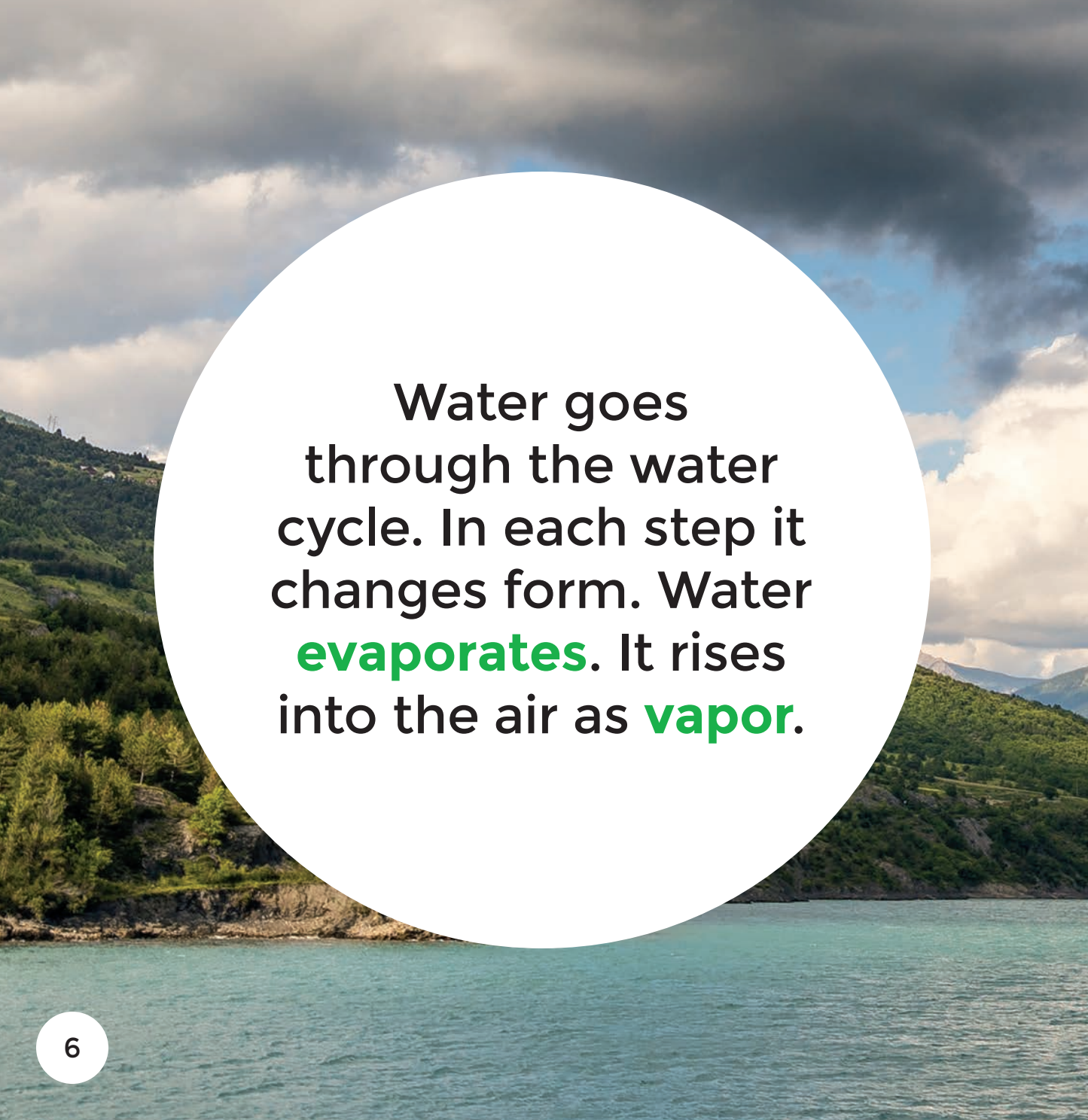
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Science

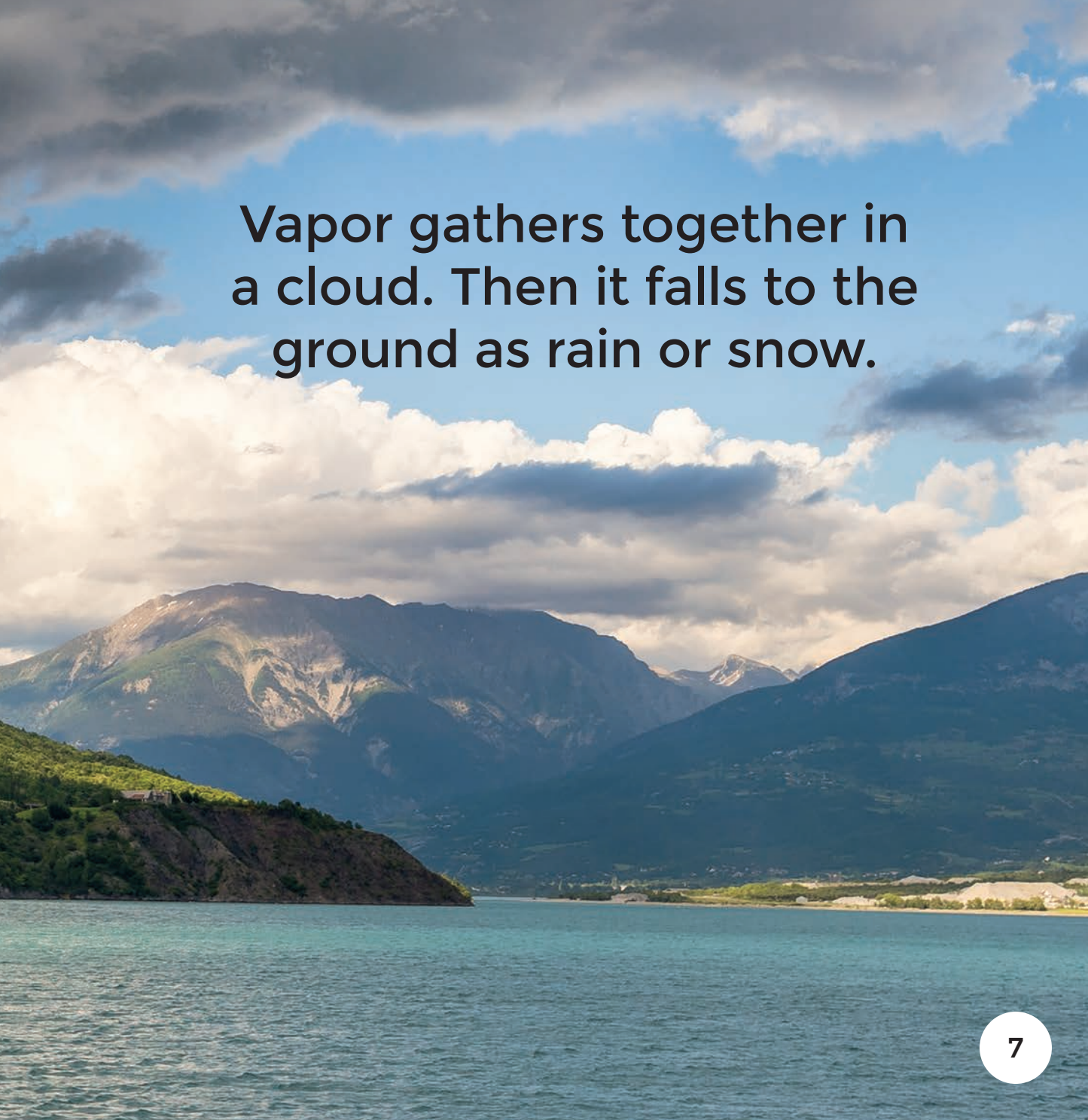
Water covers much of Earth's surface. Plants and animals need water to survive.

**Water can be a solid,
liquid, or gas.**





Water goes
through the water
cycle. In each step it
changes form. Water
evaporates. It rises
into the air as **vapor**.



Vapor gathers together in
a cloud. Then it falls to the
ground as rain or snow.

Technology

A photograph of a steam locomotive crossing a stone bridge over a lush green valley. A large plume of white steam rises from the locomotive, filling the upper half of the frame. In the background, a modern building is visible on a hill. The scene is set during the day with a clear sky.

Heating water changes it into
a gas. It becomes steam.

Steam can be used
to power an **engine**.



The steam spins a **turbine**.
This makes power.





**Steam engines can power
boats and trains.**


Engineering



**Most water is
deep underground.**

**Plants soak up
some of this
water. Some
seeps out to
rivers or lakes.**



A wooden well with a tiled roof and a brick base, set in a rural landscape. The well has a wooden frame with a roof made of red tiles. A wooden bucket is hanging from a chain on a horizontal wooden beam. The base of the well is made of red bricks. The background shows a green field, trees, and a blue sky with clouds.

The rest is stored in **aquifers**. This water can be pumped from wells.



It comes to the surface
where it can be used.

Art



**Fountains shoot
water into the air.**

Some have **sculptures**.
Others have colored lights.
A few fountains play music, too.



Math

One person
can use about
100 gallons (380 L)
of water each day.



That is 700 gallons (2,650 L) each week. Each minute of a shower uses about five gallons (19 L) of water.

- About two-thirds of a person's body is made of water.
- There are two kinds of water in the water cycle: saltwater and freshwater. Saltwater is in oceans.
- Only three percent of water on Earth is freshwater. Most rivers, streams, and lakes contain freshwater.
- There is 100 times more water underground than there is in all of Earth's lakes and rivers combined.



Glossary

aquifer - a layer of rock or sand that holds water.

engine - a machine that creates energy to make something work.

evaporates - changes from a liquid into a gas.

sculpture - an art form that is 3-D (not flat), like a statue.

turbine - an engine that includes blades. Air, steam, or water moves the blades.

vapor - water in gas form.

Booklinks

For more information
on **water**, please visit
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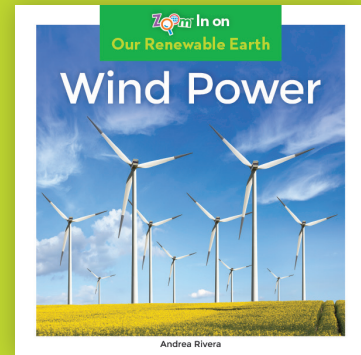
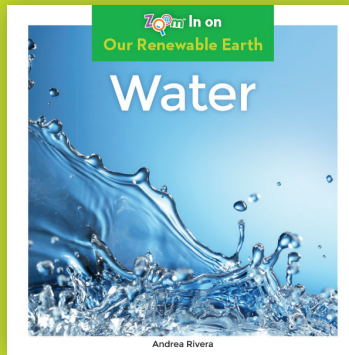
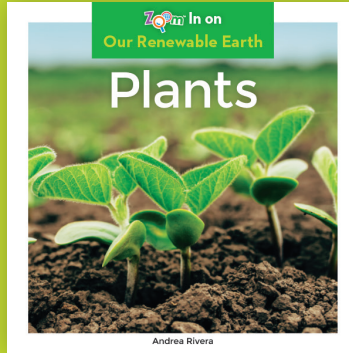
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